

DMR-QA WET Testing Laboratory Instructions

DMR-QA Study 24

Your laboratory has been designated to participate in DMR-QA Study 24 by a National Pollutant Discharge Elimination System (NPDES) permittee. The permittee is required to report sample data produced by laboratories that routinely perform analyses for their DMR purposes. DMR-QA is designed to test the ability of a testing facility to conduct the required testing procedures included in NPDES permits and to follow the directions associated with required test methods. WET testing is required if the permittee is required to conduct WET testing under their NPDES permit during 2004.

1. **DETERMINE the WET tests and designated methods to perform for Study 24.**

Select the test organism and testing conditions that most closely resemble the testing conditions required by the permit for which you are supplying test results. Use the guidelines immediately below and the table "Required DMR-QA Study 24 WET Organisms/Test Conditions/End Points" (on the next page) to select the proper WET tests. The permittee should indicate which tests are to be performed by checking the appropriate box in the table.

Guidelines for Choosing the Correct WET Test Organisms/Conditions/End-Points

If your permit requires WET testing with fathead minnows, *Ceriodaphnia dubia*, *Daphnia magna*, *Daphnia pulex*, *Mysidopsis bahia*, Inland silverside (*Menidia beryllina*) or Sheepshead minnow (*Cyprinodon variegates*), test those organisms listed in your permit using the test conditions, including temperature, defined in the Test Codes listed below.

If your permit WET testing conditions for *Ceriodaphnia dubia* specify 48-h acute, **non-renewal** testing, conduct this test using the static, **renewal** acute conditions defined by Test Codes 17, 18, 19, and 20. The testing conditions defined for these Test Codes, have been proven to provide an appropriate measure of your ability to perform WET testing with *Ceriodaphnia dubia*.

If your permit WET testing conditions for *Daphnia magna* and *Daphnia pulex* specify 48-h acute, **renewal** testing, you must conduct this test using the **non-renewal** conditions specified in the Test Codes 32, 36 and 38 listed below.

If your permit WET testing conditions require 24-, 48- or 96-h acute testing using any of the organisms included in Study 24, use the 48-h acute test conditions specified in the Test Codes listed below.

If your permit requires WET testing with *Mysidopsis bahia*, Inland silverside (*Menidia beryllina*) or Sheepshead minnow (*Cyprinodon variegates*) and your laboratory uses an alternate synthetic seawater (e.g., Hawaiian Brands or GP2, etc.) other than the 40 Fathoms specified in the Test Codes listed below, your laboratory must still perform testing.

2. **ORDER DMR-QA Study 24 samples before June 2, 2004.** To acquire the DMR-QA Study 24 toxicity samples, arrange to purchase them from one of the Providers. See page 15 or: <http://ts.nist.gov/ts/htdocs/210/214/scopes/calchem.htm> or as specified by the permittee.
3. **RECORD test results and laboratory identification on the Data Report Form received with your samples.** Be sure to follow the Provider's instructions and deadlines received with these samples.
4. **SEND each participating permittee the data they requested.** Use the Provider's Data Report Form, or a copy of it, allowing sufficient time for the permittee to send the completed form back to the Provider by the published study close date or no later than **September 3, 2004**.
5. **Maintain a copy of all completed order forms for your records.**